

For Research Use Only

# CoraLite® Plus 488-conjugated SCP2/SCPx Recombinant monoclonal antibody

Catalog Number: CL488-86196-3



## Basic Information

|                           |                           |                            |
|---------------------------|---------------------------|----------------------------|
| Catalog Number:           | GenBank Accession Number: | Purification Method:       |
| CL488-86196-3             | BC067108                  | Protein A purification     |
| Source:                   | GenID (NCBI):             | Clone No.:                 |
| Rabbit                    | 6342                      | 250813C8                   |
| Isotype:                  | UNIPROT ID:               | Recommended Dilutions:     |
| IgG                       | P22307                    | IF/ICC: 1:50-1:500         |
| Immunogen Catalog Number: | Full Name:                | Excitation/Emission maxima |
| AG5895                    | sterol carrier protein 2  | wavelengths:               |
|                           | Calculated MW:            | 493 nm / 522 nm            |
|                           | 59 kDa                    |                            |
|                           | Observed MW:              |                            |
|                           | 46 kDa, 58 kDa            |                            |

## Applications

|                      |                                      |
|----------------------|--------------------------------------|
| Tested Applications: | Positive Controls:                   |
| IF/ICC               | IF/ICC: NIH/3T3 cells, HEK-293 cells |
| Species Specificity: |                                      |
| human, mouse         |                                      |

## Background Information

SCP2 (Sterol carrier protein-2), also called nonspecific lipid-transfer protein, is thought to play a major role in intracellular lipid transport and metabolism. Mutations of SCP2 have been associated with diseases involving abnormalities in lipid trafficking, such as Zellweger syndrome. The alternative splicing generates 58 kDa SCPx and 13-15 kDa SCP2 proteins, both of which contain a C-terminal SCP2 domain. In addition to the SCP2 domain, SCPx also contains an amino-terminal thiolase domain. The proteolytic cleavage of SCPx occurred when it was imported into peroxisomes, giving rise to a 44-46 kDa thiolase and a 13-15 kDa SCP2. It recognizes the intact 58 kDa SCPx protein as well as 44-46 kDa thiolase (PMID: 35996156).

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:

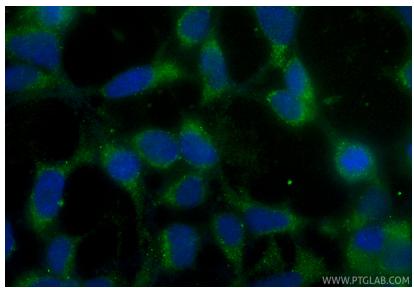
T: 4006900926

E: Proteintech-CN@ptglab.com

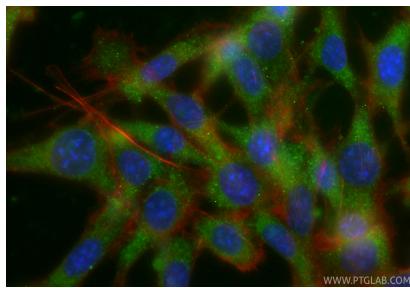
W: ptgcn.com

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using CoraLite® Plus 488 SCP2/SCPx antibody (CL488-86196-3, Clone: 250813C8 ) at dilution of 1:200.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using CoraLite® Plus 488 SCP2/SCPx antibody (CL488-86196-3, Clone: 250813C8 ) at dilution of 1:200, CL594-Phalloidin (red).